

OIIPE

RAW SEQUENCE LISTING

DATE: 08/07/2001

PATENT APPLICATION: US/09/761,782

TIME: 13:21:02

Input Set : A:\202048US0.txt

Output Set: N:\CRF3\08072001\I761782.raw

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3 <110> APPLICANT: LIVSHITS, VITALIY
4   DOROSHENKO, VERA
5   GORSHKOVA, NATALIYA
6   BELARYEVA, ALLA
7   IVANOVSKAYA, LIRINA
8   KHOURGES, EVGENI
9   AKHVERDIAN, VALERY
10  GUSYATINER, MIKHAIL
11  KOZLOV, YURY
13 <120> TITLE OF INVENTION: MUTANT ILVH GENE AND METHOD FOR PRODUCING L-VALINE
15 <130> FILE REFERENCE: 202048US0
17 <140> CURRENT APPLICATION NUMBER: 09/761,782
18 <141> CURRENT FILING DATE: 2001-01-18
20 <150> PRIOR APPLICATION NUMBER: RU 2000101678
21 <151> PRIOR FILING DATE: 2000-01-26
23 <160> NUMBER OF SEQ ID NOS: 8
25 <170> SOFTWARE: PatentIn version 3.1
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 492
29 <212> TYPE: DNA
30 <213> ORGANISM: Escherichia coli
32 <220> FEATURE:
33 <221> NAME/KEY: CDS
34 <222> LOCATION: (1)..(489)
35 <223> OTHER INFORMATION:
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40 Met Arg Arg Ile Leu Ser Val Leu Leu Glu Asn Glu Ser Gly Ala Leu
41 1           5           10           15
43 tcc cgc gtg att ggc ctt ttt tcc cag cgt ggc tac aac att gaa agc      96
44 Ser Arg Val Ile Gly Leu Phe Ser Gln Arg Gly Tyr Asn Ile Glu Ser
45           20           25           30
47 ctg acc gtt gcg cca acc gac gat ccg aca tta tcg cgt atg acc atc      144
48 Leu Thr Val Ala Pro Thr Asp Asp Pro Thr Leu Ser Arg Met Thr Ile
49           35           40           45
51 cag acc gtg ggc gat gaa aaa gta ctt gag cag atc gaa aag caa tta      192
52 Gln Thr Val Gly Asp Glu Lys Val Leu Glu Gln Ile Glu Lys Gln Leu
53 50           55           60
55 cac aaa ctg gtc gat gtc ttg cgc gtg agt gag ttg ggg cag ggc gcg      240
56 His Lys Leu Val Asp Val Leu Arg Val Ser Glu Leu Gly Gln Gly Ala
57 65           70           75           80
59 cat gtt gag cgg gaa atc atg ctg gtg aaa att cag gcc agc ggt tac      288
60 His Val Glu Arg Glu Ile Met Leu Val Lys Ile Gln Ala Ser Gly Tyr
61           85           90           95
63 ggg cgt gac gaa gtg aaa cgt aat acg gaa ata ttc cgt ggg caa att      336
64 Gly Arg Asp Glu Val Lys Arg Asn Thr Glu Ile Phe Arg Gly Gln Ile
65           100          105          110

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67 atc gat gtc aca ccc tcg ctt tat acc gtt caa tta gca ggc acc agc      384
68 Ile Asp Val Thr Pro Ser Leu Tyr Thr Val Gln Leu Ala Gly Thr Ser
69      115      120      125
71 ggt aag ctt agt gca ttt tta gca tcg att cgc gat gtg gcg aaa att      432
72 Gly Lys Leu Ser Ala Phe Leu Ala Ser Ile Arg Asp Val Ala Lys Ile
73      130      135      140
75 gtg gag gtt gct cgc tct ggt gtg gtc gga ctt tcg cgc ggc gat aaa      480
76 Val Glu Val Ala Arg Ser Gly Val Val Gly Leu Ser Arg Gly Asp Lys
77 145      150      155      160
79 ata atg cgt tga      492
80 Ile Met Arg
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87 <213> ORGANISM: Escherichia coli
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92 1      5      10      15
95 Ser Arg Val Ile Gly Leu Phe Ser Gln Arg Gly Tyr Asn Ile Glu Ser
96      20      25      30
99 Leu Thr Val Ala Pro Thr Asp Asp Pro Thr Leu Ser Arg Met Thr Ile
100      35      40      45
103 Gln Thr Val Gly Asp Glu Lys Val Leu Glu Gln Ile Glu Lys Gln Leu
104      50      55      60
107 His Lys Leu Val Asp Val Leu Arg Val Ser Glu Leu Gly Gln Gly Ala
108 65      70      75      80
111 His Val Glu Arg Glu Ile Met Leu Val Lys Ile Gln Ala Ser Gly Tyr
112      85      90      95
115 Gly Arg Asp Glu Val Lys Arg Asn Thr Glu Ile Phe Arg Gly Gln Ile
116      100      105      110
119 Ile Asp Val Thr Pro Ser Leu Tyr Thr Val Gln Leu Ala Gly Thr Ser
120      115      120      125
123 Gly Lys Leu Ser Ala Phe Leu Ala Ser Ile Arg Asp Val Ala Lys Ile
124      130      135      140
127 Val Glu Val Ala Arg Ser Gly Val Val Gly Leu Ser Arg Gly Asp Lys
128 145      150      155      160
131 Ile Met Arg
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149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial Sequence

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172 <211> LENGTH: 24
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176 <220> FEATURE:
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198 <213> ORGANISM: Artificial Sequence
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201 <223> OTHER INFORMATION: Synthetic DNA
203 <400> SEQUENCE: 8
204 ctcgaggcct atcacgcgga aataacg 27

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/761,782

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Input Set : A:\202048US0.txt

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